


NEW APPLICATION TRANSMITTAL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 31, 2003 under "EXPRESS MAIL" mailing label number EV 333283078 US.


Elizabeth A. VanAntwerp

Transmitted herewith for filing is the patent application of:

Inventor 1: Masahiko NAMERIKAWA
Address: c/o NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya, Aichi-Prefecture 467-8530
Japan

Inventor 2: Kazuyoshi SHIBATA
Address: c/o NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya, Aichi-Prefecture 467-8530
Japan

Inventor 3: Masaki IWAMOTO
Address: c/o NGK Insulators, Ltd.
2-56, Suda-Cho, Mizuho-Ku
Nagoya, Aichi-Prefecture 467-8530
Japan

Title: PIEZOELECTRIC/ELECTROSTRICTIVE ELEMENT AND
PIEZOELECTRIC/ELECTROSTRICTIVE DEVICE AND PRODUCTION
METHOD THEREOF

1. Papers enclosed

A. Required for filing date under 37 CFR 1.53(b) (Regular) are:

58 Page(s) of Specification
10 Page(s) of Claims
2 Page(s) of Abstract
26 Sheets of Formal Drawings (Figs. 1-39)

B. Other Papers Enclosed

[x] A Patent Application Bibliographic Data Sheet
[x] A copy of Declaration and Power of Attorney from the prior application
[x] A Preliminary Amendment
[x] A Preliminary Remarks/Provisional Election
[x] An Information Disclosure Statement
[x] PTO Form-1449

07/31/03



1324 U.S. PTO



03913 U.S. PTO

10/631293

07/31/03

2. The correspondence address for this application is: Customer No.: 025191

Telephone: (315) 233-8300
Facsimile: (315) 233-8320

Electronic Mail: lvanantwerp@burrandbrown.com

3. Assignment

The prior application is assigned of record to NGK Insulators, Ltd., at Reel 012039 Frame(s) 0412-0414 (recorded July 30, 2001).

4. Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)

☐ Applicants hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

☐ Applicants hereby request that the attached application **not be** published under 35 U.S.C. 122(b).

5. The filing fee has been calculated as shown below:

| Basic Filing fee (37 CFR §1.16(a)) | | | | \$ 750.00 |
|--|--------------|--------------|------------|---------------|
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | |
| Total Claims | 26 - 20 = | 6 | × \$ 18.00 | 108.00 |
| Independent Claims | 6 - 3 = | 3 | × \$ 84.00 | 252.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$280.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1,110.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | |
| SUBTOTAL = | | | | \$ 1,110.00 |
| TOTAL FEES DUE = | | | | \$ \$1,110.00 |

**6. Payment of Fees and Authorization to Charge Additional Fees
or Credit Overpayment**


☒ A check in the amount of \$1,110.00 is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446. A duplicate copy of this sheet is enclosed.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Stephen P. Hurr
Reg. No. 32,970

July 31, 2003

Date

SPB/cav

BURR & BROWN
P.O. Box 7068
Syracuse, NY 13261-7068

Customer No.: 025191
Telephone: (315) 233-8300
Facsimile: (315) 233-8320